

WHAT IS CLAIMED

1. A composite lug assembly, comprising:
a composite lug defining a loaded side and an unloaded side and having at least one hole extending therebetween; and
a shoulder bushing assembly comprising:
a first side bushing having a first cylindrical portion adapted to fit in said hole and a first shoulder portion extending from said first cylindrical portion; and
a second side bushing having a second cylindrical portion adapted to fit within said first cylindrical portion and a second shoulder portion extending from said second cylindrical portion;
wherein said first side bushing is made of a different material than said second side bushing.
2. The assembly of claim 1, wherein said first shoulder portion extends over said unloaded side and is bonded thereto.
3. The assembly of claim 1, wherein said first side bushing is made of titanium.
4. The assembly of claim 1, wherein said second side bushing is made of a material selected from the group consisting of bronze-nickel-aluminum alloy, beryllium copper alloy and combinations thereof.
5. The assembly of claim 1, wherein said second side bushing is made of a material which is softer than said first side bushing.
6. The assembly of claim 1, wherein said lug is a graphite laminated composite lug.
7. The assembly of claim 1, wherein said second side bushing has a bushing hole passing through said second cylindrical portion, and further comprising a pin disposed in said bushing hole, wherein said second side bushing is provided of a material which is softer than said pin.
8. A shoulder bushing assembly, comprising:

a first side bushing having a first cylindrical portion adapted to fit in a lug and a first shoulder portion extending from said first cylindrical portion; and

a second side bushing having a second cylindrical portion adapted to fit within said first cylindrical portion and a second shoulder portion extending from said second cylindrical portion; wherein said first side bushing is made of a different material than said second side bushing.

9. The assembly of claim 8, wherein said first side bushing is made of titanium.

10. The assembly of claim 8, wherein said second side bushing is made of a material selected from the group consisting of bronze-nickel-aluminum alloy, beryllium copper alloy and combinations thereof.

11. The assembly of claim 8, wherein said second side bushing is made of a material which is softer than said first side bushing.

12. The assembly of claim 8, wherein said first cylindrical portion has a substantially smooth outer wall and a substantially smooth inner wall, and wherein said second cylindrical portion has a substantially smooth outer wall and is sized for press fit between said substantially smooth outer wall of said second cylindrical portion and said substantially smooth inner all of said first cylindrical portion.